

From the INTERNATIONAL SEARCHING AUTHORITY

To:
JOHN W. CALDWELL
WOODCOCK WASHBURN LLP
ONE LIBERTY PLACE - 46TH FLOOR
PHILADELPHIA, PA 19103

PCT

PHILADELPHIA, PA 19103		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
			(PCT Rule 43bis.1)	
		Date of mailing (day/month/year)	09 FEB 2005	
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below		
UPN-4371	T		District date (des (manufacture))	
International application No. International filing date			Priority date (day/month/year)	
PCT/US04/23211 20 July 2004 (20.07.200 International Patent Classification (IPC) or both national classification			20 July 2003 (20.07.2003)	
IPC(7): A61F 2/24 and US Cl.: 623/2.12, 2.14, 2.16, 2.22 Applicant				
THE TRUSTEES OF THE UNIVERSIT	Y OF PENNSYLVANIA			
This opinion contains indications rel	ating to the following item	18:		
Box No. I Basis of the	Basis of the opinion			
Box No. II Priority	Priority			
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of unit	ox No. IV Lack of unity of invention			
	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
Box No. VI Certain doct	Certain documents cited			
Box No. VII Certain defe	Certain defects in the international application			
Box No. VIII Certain obse	Certain observations on the international application			
2. FURTHER ACTION				
If a demand for international preliming International Preliminary Examining	g Authority ("IPEA") exc he IPEA and the chosen II	cept that this does PEA has notified the	ne considered to be a written opinion of the not apply where the applicant chooses an International Bureau under Rule 66.1bis(b) ered.	
	ere appropriate, with ame fore the expiration of 22 n	endments, before the	EA, the applicant is invited to submit to the expiration of 3 months from the date of ity date, whichever expires later.	
For further options, see Form PC1/1.	3A1220.	•		
3. For further details, see notes to Form PCT/ISA/220.				
Name and mailing address of the ISA/ US	-	Authorized officer	20.11	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Corrine M McDer	mott Sheila H. Vehen	
P.O. Box 1450			Pandlegal Specialist /	
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Telephone No. 703	3-308-0873 Tech. Center 3700	

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/23211

Box No. I Basis of this	s opinion
	age, this opinion has been established on the basis of the international application in the language in which wise indicated under this item.
	been established on the basis of a translation from the original language into the following language, age of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
	cleotide and/or amino acid sequence disclosed in the international application and necessary to the pinion has been established on the basis of:
a. type of material	
a sequence l	isting
table(s) rela	ted to the sequence listing
. b. format of material	
in written fo	ormat
	readable form
m computer	·
c. time of filing/furn	ishing
contained in	n international application as filed.
filed togethe	r with the international application in computer readable form.
furnished su	bsequently to this Authority for the purposes of search.
filed or furnished,	case that more than one version or copy of a sequence listing and/or table relating thereto has been the required statements that the information in the subsequent or additional copies is identical to that in filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:	
7. Additional comments.	
•	
	<u> </u>
rm PCT/ISA/237/Box No	D. (In recomme 2004)



International application No. PCT/US04/23211

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement Novelty (N) Claims 1-24 YES NO Claims NONE Inventive step (IS) YES Claims 1-24 NO Claims NONE YES Industrial applicability (IA) Claims 1-24 NO Claims NONE

2. Citations and explanations:

Claims 1-24 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a bistable percutaneous heart valve having an elastic annular ring, ate least two claws that are adjustable and at least one leaflet membrane connected to at least one of said annular ring.

Claims 1-24 meet the criteria under PCT Article 33(4), because the subject matter claimed can be made or used in industry.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
 "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.